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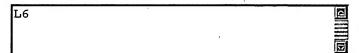
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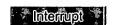
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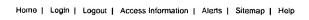


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			AbstractPlus   Full Text: PDF(496 KB)   IEEE JNL		
			<ol> <li>A variable tilted fan beam antenna for indoor base stations</li> <li>Ogawa, K.; Uwano, T.;</li> <li>Antennas and Propagation Society International Symposium, 1994. AP-S. Digest</li> <li>Volume 1, 20-24 June 1994 Page(s):332 - 335 vol.1</li> </ol>		
			AbstractPlus   Full Text: PDE(120 KB)   IEEE CNF		
			<ol> <li>An improved microwave antenna array for interstitial hyperthermia         Terakawa, T.; Ito, K.; Kurokawa, S.; Ueno, K.;         Engineering in Medicine and Biology Society, 1988. Proceedings of the Annual International Conference of the IEEE 4-7 Nov. 1988 Page(s):1331 vol.3     </li> </ol>		
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			<ol> <li>A wideband dual meander sleeve antenna</li> <li>Ali, M.; Stuchly, S.S.; Caputa, K.;</li> <li>Antennas and Propagation Society International Symposium, 1995. AP-S. Digest</li> <li>Volume 2, 18-23 June 1995 Page(s):1124 - 1127 vol.2</li> </ol>		
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			<ol> <li>Slot-monopole antenna system for energy-density reception at UHF Itoh, K.; Watanabe, R.; Matsumoto, T.; Antennas and Propagation, IEEE Transactions on [legacy, pre - 1988] Volume 27, Issue 4, Jul 1979 Page(s):485 - 489</li> </ol>		
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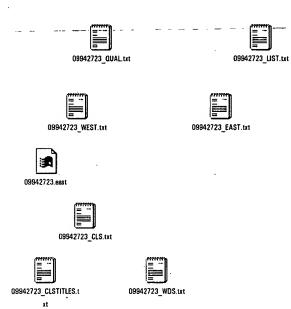
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(6388360 6424916 6433671 6438193 6459411 6535175 6545632 6581449 65916 71 6828905 6868073 4975708 5945938 6307468 6847296 3852755 4114151 451 0495 5258766 5450492 5467082 5515053 5602744 5703573 6473027 6667720 5 587712 4442430 4100544 4495851 4550444 5017930 5218365 5311186 5351052 5363109 5453747 5532686 5552790 5619207 5701121 5822683 5952935 61666 37 6204750 6259408 6346922 6657580 5396251 5455575).pn.

(5491484 5543798 5883575 5955969 6107910 5252962 5422636 5430441 54791 71 5481262 5491715 5541399 5729697 5929760 5963144 5983363 6032127 605 4935 6084530 6089458 6104291 6114971 6133836 6140146 6285342 6320509 6 339385 6388630 6518885 6531957 6580358 6593845 6611758 6661336 6677917 6775616 6791489 6838989 6839035 5776278 5779839 6045652 6220516 62205 16 6325294 6375780 4171684 4314247 4454510 5182570).pn.

(3855592 4345253 4418411 4531127 4556883 4591858 4951057 5055835 52111 29 5537105 5596326 5724030 5767792 5808558 5838254 5920277 5942977 596 6083 5986382 5986547 5987980 5995017 6002297 6046668 6054925 6081222 6 121880 6127938 6181257 6211808 6211808 6234428 6262679 6275157 6278396 6333693 6356535 6487681 6531978 6614392 6646588 6714133 6717923 68161 05 6833790 6842116 5854480 6001211 4761827 5955950).pn.

(5959531 5231413 5592182 5448110 6078791 5731691 5280286 5426667 56215 71 5912622 6137447 6144299 6791457 5278571 4931664 4980680 5305008 535 9250 5376943 5519729 5822714 6354468 6463798 6496806 6574454 6775323 5 859615 5258762 5973613 5218356 5842118 6023610 6028518 5250944 5420579 5432518 5461392 5572226 5640151 5686902 5691731 5719586 5729236 57450 36 5896060 5995046 5995048 6021503 6118189 6121926).pn.

(6177859 6239675 6243012 6255993 6271768 6289209 6351630 6434372 64667 71 6509836 6732923 5206656 6069564 4945225 6024142 6085805 6122329 646 3039 5649318 6236911 6686829 5552789 5815355 4069472 4327364 4926996 5 523749 5606574 5642103 5705852 5793305 5819164 5866891 5883582 6005510 6052068 6140982 6147659 6150921 6154635 6172608 6208235 6346881 65385 64 6601770 6617962 6869019 6037909 4755828 4758841).pn.

### (6433729

 09942723 EAST

 09942723 EAST

#### 6121926).pn. (61-77859

 09942723 EAST

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6150921
6154635
6172608
6208235
6346881
6538564
6601770
6617962
6869019
6037909
4755828
4758841).pn.
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#### 09942723 CLS

Most Frequently Occurring Classifications of Patents Returned From A Search of 09942723 on April 26, 2005

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340/572.7
13
    342/42
   342/51
12
11
   340/10.2
11
   340/10.34
11 340/572.1
   340/10.1
 8
 8
   342/44
 7
   342/29
   235/492
   340/572.5
   343/742
   340/10.4
 5
   342/45
   340/870.17
   343/795
 4 455/101
 4
   701/300
 3 340/10.3
   340/10.41
   340/447
   340/961
 3
   342/30
   342/32
   343/700MS
   370/278
 2
   141/94
   156/213
   310/313R
2
   340/10.32
   340/10,.51
 2
   340/573.4
   340/870.01
 2
   340/933
   342/37
   342/374
2
   342/39
   342/450
 2
   343/726
2 343/786
 2 455/106
   455/193.1
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455/41.1

Original Classifications

- 2 705/232 714/25
- Cross-Reference Classifications
  - 36 342/51
  - 34 342/44
  - 26 340/572.1
  - 25 340/10.1
  - 20 342/42
  - 18 340/10.4
  - 16 340/572.7
  - 12 340/10.3
  - 12 340/10.42
  - 11 342/50
  - 10 340/572.8
  - 10 343/867
    - 9 340/10.41
    - 8 340/572.5
    - 8 340/573.1
    - 8 340/825.49
    - 8 342/30
    - 8 342/36
    - 8 342/37
    - 7 340/870.31
    - 7 342/46
    - 6 235/380
    - 6 340/10.51
    - 6 340/442
    - 6 340/572.4
    - 6 342/32
    - 6 343/795
    - 6 455/41.1
    - 5 340/447
  - 5 340/5.61
  - 5 340/825.72
  - 5 342/49
  - 5 343/866
  - 4 73/146.5
  - 4 119/51.02
  - 4 235/491
  - 4 310/313B
  - 4 310/313R
  - 4 340/10.2
  - 4 340/10.34
  - 4 340/10.5
  - 4 340/5.8
  - 4 340/505
  - 4 340/568.1

- 340/928 340/933
- 342/27
- 342/29
- 343/700MS
- 343/705
- 343/742
- 343/767
- 701/217
- 701/301
- 73/146.4
- 3 235/375
- 3 235/492
- 310/313D
- 333/154
- 3 340/571
- 340/572.2
- 340/870.02
- 3 342/114
- 342/175
- 3 342/40
- 342/45
- 343/718
- 343/741
- 3 343/842
- 3 455/277.1
- 2 29/855
- 2 73/146
- 2 73/146.8
- 2 116/34R
- 2 128/903
- 2 152/152.1
- 2 156/308.4
- 2 235/384
- 2 235/385
- 2 235/449
- 2 235/487
- 2 246/167R
- 2 257/E23.043
- 2 257/E23.124
- 2 324/605
- 2 333/196
- 2 333/21A
- 2 340/10.31
- 2 340/10.6
- 2 340/445
- 2 340/5.72
- 340/825.2

#### 2 340/825.69 2 340/904 2 340/905 2 340/968 342/118 2 342/146 2 342/195 2 342/357.09 2 342/361 2 342/38 2. -342/41-2 342/455 2 342/456 2 342/457 342/463 342/465 2 342/47 2 343/702 2 343/709 2 343/711 2 343/713 2 343/720 2 343/728 343/745 343/754 2 343/788 2 343/802 2 343/815 2 343/860 2 398/108 2 455/106 2 455/107 2 455/121 2 455/129 2 455/271 2 455/47 2 455/63.1 2 455/73 701/207 Combined Classifications 48 342/51

42 342/44

37 340/572.1

33 340/10.1

33 342/42

340/572.7 31

23 340/10.4 09942723 CLS

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340/10.2
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15
    340/10.3
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    340/10.34
    340/572.5
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    340/10.42
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    340/10.41
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    340/572.8
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    342/29
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    342/30
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    342/50
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    342/37
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    343/742
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    343/795
1.0
    343/867
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    235/492
 9
    342/32
 8
    340/10.51
    340/447
    340/573.1
    340/825.49
    340/870.31
    342/36
    342/45
    455/41.1
    340/572.4
    342/46
 7
    343/700MS
    235/380
    310/313R
    340/442
    340/5.61
 6
 6
    340/933
 6
    343/866
5
    73/146.5
 5
    119/51.02
 5
    235/491
 5
    340/505
    340/825.72
5
    340/928
    342/49
    343/705
    343/767
    310/313B
    310/313D
    340/10.5
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4 340/5.8 4 340/568.1 4 340/870.17

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340/961
   342/27
   342/40
   370/278
   455/101
   455/106
   455/277.1
4
   701/217
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   701/300
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   701/301
3
   73/146
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    73/146.4
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    73/146.8
3
   152/152.1
3
   235/375
3
   333/154
3 .
   340/445
3
   340/571
3
   340/572.2
3
   340/573.4
   340/870.01
   340/870.02
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   342/114
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   342/175
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   342/450
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   342/455
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   342/465
   343/718
   343/741
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   343/788
   343/842
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3
   455/193.1
2
    29/855
2 、
   73/146.2
   116/34R
2
2
   128/903
2
   141/94
2
   156/213
2
   156/292
2
   156/308.4
2
   235/383
2
   235/384
   235/385
2
   235/435
   235/449
2
2
   235/487
2
   246/167R
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257/723

- 2 257/E23.043 257/E23.124 2
- 2 324/605
- 2 333/196
- 2 333/21A
- 2 340/10.31
- 340/10.32
- 340/10.33
- 340/10.6 2
- 340/5.72 2
- 2-340/825.2
- 2 340/825.69
- 2 340/825.71
- 2 340/904
- 340/905 2
- 340/968
- 2 342/118
- 2 342/146
- 2 342/195
- 2 342/357.09
- 2 342/361
- 2 342/374
- 342/38 2
- 342/39 2
- 342/41 2
- 2 342/43
- 2 342/456
- 2 342/457
- 2 342/463
- 2 342/47
- 2 343/702
- 343/709 2
- 2 343/711
- 2 . 343/713
- 2 343/720
- 2 343/726
- 2 343/728
- 2 343/745
- 2 343/754
- 2 343/786
- 2 343/802
- 2 343/815
- 343/853
- 2 2 343/860
- 2 343/895
- 2 375/130
- 2 375/219
- 375/259

### 09942723\_CLS

- 398/108 455/107 455/121 455/129 2 2 2 455/271 455/47
- 2
- 455/63.1 2 2 2 2 -2 2 455/73 455/90.1 701/207 705/23

09942723\_CLSTITLES
Titles of Most Frequently Occurring Classifications of Patents Returne

From A Search of 09942723 on April 26, 2005

48		(12 OR, 36 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/42	RADAR TRANSPONDER SYSTEM
		.Radar transponder only
42	342/44	(8 OR, 34 XR)
42	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
		AND DEVICES
		RADAR TRANSPONDER SYSTEM
	342/44	.Unique identity
37	340/572.1	(11 OR, 26 XR) 340 : COMMUNICATIONS: ELECTRICAL
	340/500	CONDITION RESPONSIVE INDICATING SYSTEM
	340/540	.Specific condition
	340/568	.1Article placement or removal (e.g., anti-theft)
	340/572	.1Detectable device on protected article
		(e.g., "tag")
33	340/10.1	(8 OR, 25 XR)
	Class	340 : COMMUNICATIONS: ELECTRICAL
		SELECTIVE
	340/10.	1 .Interrogation response
33	342/42	(13 OR, 20 XR)
	Class	342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
	0.10/10	AND DEVICES
	342/42	RADAR TRANSPONDER SYSTEM
31	340/572.7	(15 OR, 16 XR)
		340 : COMMUNICATIONS: ELECTRICAL
		CONDITION RESPONSIVE INDICATING SYSTEM
	340/540	
	340/568	<pre>.1Article placement or removal (e.g.,</pre>
	340/572	·
		(e.g., "tag")
	340/572	.7Specified antenna structure .
23	340/10.4	(5 OR, 18 XR)
	Class	

, Page 1

```
09942723 CLSTITLES
         340/825
                       SELECTIVE
         340/10.1
                       .Interrogation response
         340/10.4
                       .. Response signal detail
15
    340/10.2
                  (11 OR, 4 XR)
         Class
                 340 : COMMUNICATIONS: ELECTRICAL
         340/825
                       SELECTIVE
         340/10.1
                       .Interrogation response
         340/10.2
                       .. Contention avoidance
15--340/10-3----(3-OR, 12-XR)
         Class 340 : COMMUNICATIONS:
                                        ELECTRICAL
         340/825
                       SELECTIVE
         340/10.1
                       .Interrogation response
         340/10.3
                       .. Interrogation signal detail
15
    340/10.34
                (11 OR, 4 XR)
         Class
                340 : COMMUNICATIONS:
                                        ELECTRICAL
         340/825
                       SELECTIVE
                     .Interrogation response
         340/10.1
         340/10.3
                      ..Interrogation signal detail
         340/10.34
                       ...Power up
14 340/572.5
                  (6 OR, 8 XR)
         Class
                340 : COMMUNICATIONS: ELECTRICAL
         340/500
                      CONDITION RESPONSIVE INDICATING SYSTEM
         340/540
                       .Specific condition
         340/568.1
                       ..Article placement or removal (e.g.,
                           anti-theft)
         340/572.1
                       ...Detectable device on protected article
                           (e.g., "tag")
                       .... Having tuned resonant circuit
         340/572.5
13 340/10.42
                  (1 OR, 12 XR)
         Class
                340 : COMMUNICATIONS: ELECTRICAL
         340/825
                      SELECTIVE
         340/10.1
                     .Interrogation response
         340/10.4
                      .. Response signal detail
         340/10.42
                       ...Identification only
   340/10.41
                 (3 OR, 9 XR)
12
        Class
                340 : COMMUNICATIONS: ELECTRICAL
         340/825
                      SELECTIVE
         340/10.1
                      .Interrogation response
         340/10.4
                      .. Response signal detail
         340/10.41
                      ...Combination response
11 340/572.8 (1 OR, 10 XR)
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09942723 CLSTITLES
         Class 340 : COMMUNICATIONS: ELECTRICAL
                      CONDITION RESPONSIVE INDICATING SYSTEM
         340/500
         340/540 .Specific condition
340/568.1 .Article placement or removal (e.g.,
                            anti-theft)
         340/572.1
                       ...Detectable device on protected article
                           (e.g., "tag")
         340/572.8
                       .... Specified device housing or attachment
                          means
-11 - 342/29 - - - (7 OR, 4 XR)
         Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                         AND DEVICES
                       AIRCRAFT COLLISION AVOIDANCE SYSTEM (CAS)
         342/29
11 342/30
                 (3 OR, 8 XR)
         Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                         AND DEVICES
                      AIRCRAFT COLLISION AVOIDANCE SYSTEM (CAS)
         342/29
         342/30
                      .With transponder
11 342/50 (0 OR, 11 XR)
         Class 342: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                        AND DEVICES
                      RADAR TRANSPONDER SYSTEM
         342/42
         342/50
                      .With Telemetry
10 342/37
                 (2 OR, 8 XĀ)
         Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                         AND DEVICES
         342/36
342/37
                       AIR TRAFFIC CONTROL
                      .Secondary Surveilance Radar (SSR) or Air
                          Traffic Control Radar Beacon System (ATCRBS
)
10 343/742 (6 OR, 4 XR)
Class 343: COMMUNICATIONS: RADIO WAVE ANTENNAS
         343/700R ANTENNAS
         343/741 .High frequency type loops 343/742 ..Plural
10 343/795 (4 OR, 6 XR)
         Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
         343/700R ANTENNAS
343/793 .Balanced doublet - centerfed (e.g., dipole)
343/795 ..Sheet or wing type
```

10 343/867 (0 OR, 10 XR)

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09942723 CLSTITLES
         Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
         343/700R
                       ANTENNAS
         343/866
                       .Loop type
         343/867
                       ..Plural; plural or tapped coils
 9 235/492
                 (6 OR, 3 XR)
         Class 235 : REGISTERS
         235/487
                       RECORDS
         235/492
                       .Conductive
  9-342/32-----(3 OR, 6 XR)
         Class 342: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                         AND DEVICES
                     AIRCRAFT COLLISION AVOIDANCE SYSTEM (CAS)
         342/29
         342/30
                      .With transponder
         342/32
                       ..Included in Secondary Surveilance Radar (SSR
)
                          or Air Traffic Control Radio Beacon System
(ATCRBS)
    340/10.51 (2 OR, 6 XR)
         Class 340 : COMMUNICATIONS: ELECTRICAL
         340/825
                       SELECTIVE
                    SELECTIVE
.Interrogation response
         340/10.1
         340/10.5
                      ..Additional control
         340/10.51
                       ...Programming (e.g., read/write)
 8 340/447
                  (3 OR, 5 XR)
                 340 : COMMUNICATIONS: ELECTRICAL
         Class
                       LAND VEHICLE ALARMS OR INDICATORS
         340/425.5
         340/438
                       .Internal alarm or indicator responsive to a
                             condition of the vehicle
                       ...Tire deflation or inflation
         340/442
         340/445
                       ...With particular telemetric coupling
         340/447
                       ....Radio wave
   340/573.1
                 (0 OR, 8 XR)
                 340 : COMMUNICATIONS: ELECTRICAL
         Class
         340/500
                      CONDITION RESPONSIVE INDICATING SYSTEM
         340/540
                    .Specific condition ..Human or animal
         340/573.1
 8 340/825.49
                 (0 OR, 8 XR)
                 340 : COMMUNICATIONS: ELECTRICAL
         Class
         340/825
                       SELECTIVE
         340/825.36
                      .Having indication or alarm (e.g., location
                           indication)
         340/825.49 ..Location indication
```

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8 340/870.31
               (1 OR, 7 XR)
       Class
               340 : COMMUNICATIONS: ELECTRICAL
       340/870.01 CONTINUOUSLY VARIABLE INDICATING (E.G.,
                          TELEMETERING)
                    .With particular transmitter (e.g.,
       340/870.3
                         piezoelectric, dynamo)
       340/870.31
                     .. Inductive transmitter
               (0 OR, 8 XR)
  342/36
     Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                       AND DEVICES
       342/36
                     AIR TRAFFIC CONTROL
  342/45
               (5 OR, 3 XR)
       Class
               342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                       AND DEVICES
       342/42
                     RADAR TRANSPONDER SYSTEM
       342/45
                    .IFF or SIF
 455/41.1 (2 OR, 6 XR)
       Class 455 : TELECOMMUNICATIONS
       455/39
                     TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
       455/41.1
                     .Near field (i.e., inductive or capacitive
                        coupling)
7 340/572.4
               (1 OR, 6 XR)
               340 : COMMUNICATIONS: ELECTRICAL
       Class
       340/500
                     CONDITION RESPONSIVE INDICATING SYSTEM
       340/540
                     .Specific condition
       340/568.1
                    ..Article placement or removal (e.g.,
                          anti-theft)
                     ... Detectable device on protected article
       340/572.1
                         (e.q., "taq")
                     .... Specified processing arrangement for
       340/572.4
                        detected signal
7 342/46
               (0 OR, 7 XR)
       Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                       AND DEVICES
       342/42
                    RADAR TRANSPONDER SYSTEM
       342/46
                    .Navigational
               (3 OR, 4 XR)
7 343/700MS
       Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
       343/700R
                    ANTENNAS
       343/700MS
                    .Microstrip
```

```
6 235/380
                 (0 OR, 6 XR)
        Class 235 : REGISTERS
        235/375
                  SYSTEMS CONTROLLED BY DATA BEARING RECORDS
        235/380
                     .Credit or identification card systems
   310/313R
                (2 OR, 4 XR)
        Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
        310/300 NON-DYNAMOELECTRIC
        310/311 .Piezoelectric elements and devices ..Surface acoustic wave devices
   340/442
                 (0 OR, 6 XR)
        Class
                340 : COMMUNICATIONS: ELECTRICAL
        340/425.5 LAND VEHICLE ALARMS OR INDICATORS
340/438 .Internal alarm or indicator responsive to a
                          condition of the vehicle
        340/442
                    .. Tire deflation or inflation
  340/5.61
                (1 OR, 5 XR)
                340 : COMMUNICATIONS: ELECTRICAL
        Class
        340/825
                      SELECTIVE
        340/5.1
                    .Intelligence comparison for controlling
                    ... Authorization control (e.g., entry into an
        340/5.2
                            area)
        340/5.6
                      ...Coded record input (e.g., IC card or key)
        340/5.61
                      ....Wireless transceiver
6 340/933
                (2 OR, 4 XR)
        Class
                340 : COMMUNICATIONS: ELECTRICAL
                    VEHICLE DETECTORS
        340/933
6 343/866
                (1 OR, 5 XR)
        Class 343: COMMUNICATIONS: RADIO WAVE ANTENNAS
        343/700R
                     ANTENNAS
        343/866
                     .Loop type
5
    73/146.5
                (1 OR, 4 XR)
        Class
                073 : MEASURING AND TESTING
        73/146 TIRE, TREAD OR ROADWAY
73/146.2 .Tire inflation testing installation
73/146.3 ..By direct fluid pressure reading
                     ...Telemetric (e.g., indicator on cowl)
        73/146.4
        73/146.5
                      ....Electric
              (1 OR, 4 XR)
5 119/51.02
        Class 119: ANIMAL HUSBANDRY
                     FEEDING DEVICE
        119/51.01
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119/51.02 .Having electronic identification and feed control

235/491 (1 OR, 4 XR) Class 235 : REGISTERS 235/487 RECORDS

> 235/491 .Fluorescent, phosphorescent, radiation

emitting

5 340/505 (1 OR, 4 XR)

- Class 340 : COMMUNICATIONS: ELECTRICAL

340/500 CONDITION RESPONSIVE INDICATING SYSTEM .With particular system function (e.g., 340/501 temperature compensation, calibration)

.. Interrogator-responder 340/505

340/825.72 (0 OR, 5 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/825.71 .Frequency responsive actuation ..Wireless link

(1 OR, 4 XR) 5 340/928

> 340 : COMMUNICATIONS: ELECTRICAL Class

340/907 TRAFFIC CONTROL INDICATOR

340/928 .Combined (e.g., toll systems, one-way)

5 342/49 (0 OR, 5 XR)

> 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS Class

AND DEVICES

342/42 RADAR TRANSPONDER SYSTEM

342/46 .Navigational

342/47 ..Distance measuring equipment (DME)

...With VOR/TACAN 342/49

(1 OR, 4 XR) 5 343/705

> 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS Class

343/700R ANTENNAS

343/705 .With aircraft

5 343/767 (1 OR, 4 XR)

> Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS 343/767 .Slot type

4 310/313B (0 OR, 4 XR)

> Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE

NON-DYNAMOELECTRIC 310/300

```
09942723 CLSTITLES
         310/311
                       .Piezoelectric elements and devices
                       ..Surface acoustic wave devices
         310/313R
         310/313R
310/313B
                        ... Interdigitated electrodes
4 310/313D (1 OR, 3 XR)
         Class
                 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE
                     NON-DYNAMOELECTRIC
.Piezoelectric elements and devices
..Surface acoustic wave devices
...Interdigitated electrodes
         310/300
         310/311
        310/313R
         310/313B
        310/313D ....Grating or reflector in wave path
  340/10.5 (0 OR, 4 XR)
        Class
                 340 : COMMUNICATIONS: ELECTRICAL
                     SELECTIVE
.Interrogation response
         340/825
        340/10.1
340/10.5
                       ..Additional control
4 340/5.8 (0 OR, 4 XR)
        Class 340 : COMMUNICATIONS: ELECTRICAL
         340/825
                       SELECTIVE
        340/5.1 .Intelligence comparison for controlling 340/5.8 ..Authentication (e.g., identity)
4 340/568.1
                 (0 OR, 4 XR)
        Class 340 : COMMUNICATIONS: ELECTRICAL
                    CONDITION RESPONSIVE INDICATING SYSTEM .Specific condition ..Article placement or removal (e.g.,
        340/500
        340/540
        340/568.1
                          anti-theft)
4 340/870.17 (4 OR, 0 XR)
                 340 : COMMUNICATIONS: ELECTRICAL
        Class
         340/870.01 CONTINUOUSLY VARIABLE INDICATING (E.G.,
        TELEMETERING)
340/870.16 .Condition responsive
340/870.17 .Temperature
                              TELEMETERING)
                 (3 OR, 1 XR)
4 340/961
        Class 340 : COMMUNICATIONS: ELECTRICAL
        340/945 AIRCRAFT ALARM OR INDICATING SYSTEMS 340/961 .Potential collision with other aircraft
4 342/27 (0 OR, 4 XR)
        Class 342: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                           AND DEVICES
         342/27 PRESENCE DETECTION ONLY
```

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09942723 CLSTITLES
 4 342/40
                (1 OR, 3 XR)
         Class 342: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                        AND DEVICES
         342/36
                     AIR TRAFFIC CONTROL
         342/37
                     .Secondary Surveilance Radar (SSR) or Air
                          Traffic Control Radar Beacon System (ATCRB
S)
         342/40
                      ..With defruiting or degarbling
   370/278 (3 OR, 1 XR)
         Class 370 : MULTIPLEX COMMUNICATIONS
                     DUPLEX
         370/276
                   .Communication over free space ..Transmit/receive interaction control
         370/277
         370/278
 4 455/101
                (4 OR, 0 XR)
         Class 455 : TELECOMMUNICATIONS
                      TRANSMITTER
         455/91
                     .Diversity
         455/101
 4 455/106 (2 OR, 2 XR)
         Class 455: TELECOMMUNICATIONS
         455/91
                      TRANSMITTER
                     .Modulation by absorption, shielding, or
         455/106
                         reflecting
 4 455/277.1
                (1 OR, 3 XR)
         Class
                455 : TELECOMMUNICATIONS
         455/130
                      RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
                            CONVERTER
         455/269
                     .With wave collector (e.g., antenna)
         455/272
                     ..Plural separate collectors
                      ... Selectively or alternately connected to
         455/277.1
                         receiver
 4 701/217 (0 OR, 4 XR)
                 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
                        RELATIVE LOCATION
                     NAVIGATION
         701/200
         701/207
                     .Employing position determining equipment
                      .. Using dead-reckoning apparatus
         701/217
 4 701/300
                 (4 OR, 0 XR)
                701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
```

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RELATIVE LOCATION

RELATIVE LOCATION

701/300

4 701/301 (0 OR, 4 XR)

Class 701: DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION 701/300 RELATIVE LOCATION .Collision avoidance 701/301 3 73/146 (1 OR, 2 XR) 073 : MEASURING AND TESTING Class 73/146 TIRE, TREAD OR ROADWAY (0 OR, 3 XR) 73/146.4 Class 073 : MEASURING AND TESTING TIRE, TREAD OR ROADWAY 73/146 .Tire inflation testing installation 73/146.2 73/146.3 .. By direct fluid pressure reading 73/146.4 ... Telemetric (e.g., indicator on cowl) 3 73/146.8 (1 OR, 2 XR) Class 073 : MEASURING AND TESTING 73/146 TIRE, TREAD OR ROADWAY 73/146.2 .Tire inflation testing installation .. By direct fluid pressure reading 73/146.3 73/146.8 ... Tire stem attachments 3 152/152.1 (1 OR, 2 XR) 152 : RESILIENT TIRES AND WHEELS Class TIRES, RESILIENT 152/151 .With electrical conducting means 152/152.1 (0 OR, 3 XR) 3 235/375 235 : REGISTERS Class 235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS -3 333/154 (0 OR, 3 XR) 333 : WAVE TRANSMISSION LINES AND NETWORKS Class COUPLING NETWORKS 333/24R .Delay lines including elastic surface wave 333/150 propagation means .. Significant transmitting or receiving 333/154 transducer structure 3 340/445 (1 OR, 2 XR) 340 : COMMUNICATIONS: ELECTRICAL Class 340/425.5 LAND VEHICLE ALARMS OR INDICATORS 340/438 .Internal alarm or indicator responsive to a condition of the vehicle 340/442 .. Tire deflation or inflation 340/445 ...With particular telemetric coupling

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09942723 CLSTITLES
                   (0 OR, 3 XR)
 3 340/571
                 340 : COMMUNICATIONS: ELECTRICAL
         Class
         340/500
                      CONDITION RESPONSIVE INDICATING SYSTEM
         340/540
                       .Specific condition
         340/568.1
                       ..Article placement or removal (e.g.,
                           anti-theft)
         340/571
                       ...Alarm on protected article
   340/572.2
                  (0 OR, 3 XR)
                 340 : COMMUNICATIONS: ELECTRICAL
         Class
         -340/500-
                       -CONDITION RESPONSIVE INDICATING SYSTEM
         340/540
                       .Specific condition
                       ..Article placement or removal (e.g.,
         340/568.1
                            anti-theft)
                       ...Detectable device on protected article
         340/572.1
                            (e.g., "tag")
         340/572.2
                        .... Specified relationship between field and
                          detection frequencies (e.g., nth order harm
onics)
    340/573.4
                 (2 OR, 1 XR)
         Class
                 340 : COMMUNICATIONS: ELECTRICAL
                       CONDITION RESPONSIVE INDICATING SYSTEM
         340/500
         340/540
                      .Specific condition
                      ..Human or animal
         340/573.1
         340/573.4
                       ... House arrest system, wandering, or wrong
                          place
 3 340/870.01
                 (2 OR, 1 XR)
                 340 : COMMUNICATIONS: ELECTRICAL
         Class
         340/870.01
                       CONTINUOUSLY VARIABLE INDICATING (E.G.,
                          TELEMETERING)
 3 340/870.02
                  (0 OR, 3 XR)
                 340 : COMMUNICATIONS: ELECTRICAL
         Class
                       CONTINUOUSLY VARIABLE INDICATING (E.G.,
         340/870.01
                           TELEMETERING)
         340/870.02
                      .With meter reading
    342/114
                  (0 OR, 3 XR)
                 342 : COMMUNICATIONS:
                                         DIRECTIVE RADIO WAVE SYSTEMS
         Class
                         AND DEVICES
         342/104
                       DETERMINING VELOCITY
        342/114
                       .Combined with determining sense of motion
                          (i.e., approaching or receding)
 3 342/175
                  (0 OR, 3 XR)
                 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
         Class
```

#### AND DEVICES

342/175 WITH PARTICULAR CIRCUIT

```
3 342/450 (2 OR, 1 XR)
       Class 342: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                     AND DEVICES
                   DIRECTIVE
       342/350
       342/450
                   .Position indicating (e.g., triangulation)
3 342/455 (1 OR, 2 XR)
    Class 342: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                      AND DEVICES
       342/350
                    DIRECTIVE
                  .Position indicating (e.g., triangulation)
       342/450
       342/454
                   ..Traffic
       342/455
                   ... Having collision avoidance
3 342/465 (1 OR, 2 XR)
       Class 342: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                      AND DEVICES
       342/350
                   DIRECTIVE
                   .Position indicating (e.g., triangulation)
       342/450
       342/463
                   .. Having plural transmitters or receivers
       342/465
                   ...Plural receivers only
              (0 OR, 3 XR)
3 343/718
       Class 343: COMMUNICATIONS: RADIO WAVE ANTENNAS
                  ANTENNAS
       343/700R
       343/718
                   .Body-attached or connected
              (0 OR, 3 XR)
3 343/741
       Class 343: COMMUNICATIONS: RADIO WAVE ANTENNAS
      343/700R
                   ANTENNAS
       343/741
                   .High frequency type loops
              (1 OR, 2 XR)
3 343/788
              343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
      Class
       343/700R
                   ANTENNAS
       343/787
                   .Including magnetic material
       343/788
                   ..Loop type
3 343/842
              (0 OR, 3 XR)
       Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
       343/700R
                  ANTENNAS
       343/841
                  .With electrical shield ..Loop-type antenna
       343/842
3 455/193.1 (2 OR, 1 XR)
```

		09942723_CLSTITLES : TELECOMMUNICATIONS
	455/130	RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
	455/150.1	<pre>.Signal selection based on frequency (e.g.,     tuning)</pre>
	455/193.1	
2	29/855 (0	
		: METAL WORKING METHOD OF MECHANICAL MANUFACTURE
		.Electrical device making
	29/825	
	29/854	Assembling electrical component directly to terminal or elongated conductor
	29/855	
2	73/146.2 (1	
		: MEASURING AND TESTING
		TIRE, TREAD OR ROADWAY
	/3/146.2	.Tire inflation testing installation
2	116/34R (0	OR, 2 XR)
		: SIGNALS AND INDICATORS
	116/28R 116/34R	Tire inflation or deflation
	·	
2	128/903 (0	
	Class 128	RADIO TELEMETRY
	120/ 505	RADIO ILLIMITAT
2	141/94 (2	
	Class 141	: FLUENT MATERIAL HANDLING, WITH RECEIVER OR RECEIVER COACTING MEANS
	141/94	WITH SIGNAL, INDICATOR, RECORDER, INSPECTION MEANS OR EXHIBITOR
2	156/213 (2	OR, 0 XR)
	Class 156	: ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL MANUFACTURE
	156/1	METHODS
	156/60	.Surface bonding and/or assembly therefor
	156/196	With permanent bending or reshaping or
mina		surface deformation of self sustaining la
	156/212	By bending, drawing or stretch forming shee

in contact

t

to assume shape of configured lamina while

therewith

156/213 ....Encasing or enveloping the configured lamina

2 156/292 (1 OR, 1 XR)

Class 156: ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL

MANUFACTURE

156/1 METHODS

156/60 .Surface bonding and/or assembly therefor

156/292 ..Of laminae having opposed facing areas out o

contact

2 156/308.4 (0 OR, 2 XR)

Class 156: ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL

MANUFACTURE

156/1 METHODS

156/60 .Surface bonding and/or assembly therefor

156/308.2 ..By tackifying substance of self-sustaining lamina to be bonded; e.g., autogenous bond

ing, etc.

-f

156/308.4 ...Only part of contacting laminae surfaces

bonded; e.g., seam, seal, etc.

2 235/383 (1 OR, 1 XR)

Class 235 : REGISTERS

235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS

235/383 .Mechanized store

2 235/384 (0 OR, 2 XR)

Class 235 : REGISTERS

235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS

235/384 .Transportation

2 235/385 (0 OR, 2 XR)

Class 235 : REGISTERS

235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS

235/385 .Inventory

2 235/435 (1 OR, 1 XR)

Class 235 : REGISTERS

235/435 CODED RECORD SENSORS

2 235/449 (0 OR, 2 XR)

Class 235 : REGISTERS

235/435 CODED RECORD SENSORS

235/439 .Particular sensor structure

235/449 ..Magnetic

2 235/487 (0 OR, 2 XR) Class 235 : REGISTERS 235/487 **RECORDS** 2 246/167R (0 OR, 2 XR) 246 : RAILWAY SWITCHES AND SIGNALS Class 246/167R CAB SIGNAL OR TRAIN CONTROL 2 257/723 (1 OR, 1 XR) 257 : ACTIVE SOLID-STATE DEVICES 257/688 .With large area flexible electrodes in press contact with opposite sides of active semi conductor chip and surrounded by an insulating element, e ring .g., .For plural devices 257/723 2 257/E23.043 (0 OR, 2 XR) Class 257 : ACTIVE SOLID-STATE DEVICES PACKAGING, INTERCONNECTS, AND MARKINGS FOR 257/E23.001 SEMICONDUCTOR OR OTHER SOLID-STATE DEVI CES (EPO) 257/E23.01 .Arrangements for conducting electric current to or from solid-state body in operation , e.g., leads, terminal arrangements (EPO) 257/E23.023 .. Consisting of soldered or bonded constructions (EPO) 257/E23.031 ...Lead frames or other flat leads (EPO) 257/E23.043 .... Geometry of lead frame (EPO) 2 257/E23.124 (0 OR, 2 XR) Class 257 : ACTIVE SOLID-STATE DEVICES 257/E23.113 .... Ceramic materials or glass (EPO) .Encapsulations, e.g., encapsulating layers, 257/E23.116 coatings, e.g., for protection (EPO) 257/E23.123 .. Characterized by arrangement or shape (EPO) ...Device being completely enclosed (EPO) 257/E23.124 2 324/605 (0 OR, 2 XR) Class 324 : ELECTRICITY: MEASURING AND TESTING IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES 324/600 REPRESENTATIVE OF ELECTRICAL STIMULUS/RES PONSE RELATIONSHIPS 324/602 .With auxiliary means to condition

### stimulus/response signals

324/605 ... For response signal evaluation or processing

```
333/196
               (0 OR, 2 XR)
               333 : WAVE TRANSMISSION LINES AND NETWORKS
       Class
                    COUPLING NETWORKS
       333/24R
                   .Electromechanical filter
       333/186
                   ..Using surface acoustic waves
       333/193
                    ...With response weighting means
       333/196
2
 333/21A
               (0 OR, 2 XR)
       Class
               333 : WAVE TRANSMISSION LINES AND NETWORKS
       333/21R
                    WAVE MODE CONVERTERS
       333/21A
                   .Polarization converters
 340/10.31
              (0 OR, 2 XR)
       Class
               340 : COMMUNICATIONS: ELECTRICAL
       340/825
                     SELECTIVE
                   .Interrogation response
       340/10.1
340/10.3
                   .. Interrogation signal detail
       340/10.31
                   ...Individual call
               (2 OR, 0 XR)
2 340/10.32
       Class
               340 : COMMUNICATIONS: ELECTRICAL
                    SELECTIVE
       340/825
                  .Interrogation response
       340/10.1
       340/10.3
                   ..Interrogation signal detail
       340/10.32
                    ...Group call
 340/10.33
              (1 OR, 1 XR)
       Class
               340 : COMMUNICATIONS: ELECTRICAL
       340/825
                    SELECTIVE
                   .Interrogation response
       340/10.1
       340/10.3
                   .. Interrogation signal detail
       340/10.33
                   ...Wake up (all call)
2 340/10.6
               (0 OR, 2 XR)
               340 : COMMUNICATIONS: ELECTRICAL
       Class
       340/825
                    SELECTIVE
                   .Interrogation response
       340/10.1
       340/10.6
                   ..Printout or display
2 340/5.72 (0 OR, 2 XR)
               340 : COMMUNICATIONS: ELECTRICAL
       Class
       340/825
                    SELECTIVE
                   .Intelligence comparison for controlling
       340/5.1
                   .. Authorization control (e.g., entry into an
       340/5.2
```

area)

340/5.7 ...Access barrier 340/5.72 ....Vehicle door

2 340/825.2 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/825 SELECTIVE

340/825.2 .Synchronizing

2 340/825.69 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/825 SELECTIVE

340/825.57 .Pulse responsive actuation 340/825.62 ..Serial ...Radio link

2 340/825.71 (1 OR, 1 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/825 SELECTIVE

340/825.71 .Frequency responsive actuation

2 340/904 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

ALARM

.Transmitter in one vehicle only 340/904

2 340/905 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

ALARM

.Highway information (e.g., weather, speed 340/905 limits, etc.)

2 340/968 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

AIRCRAFT ALARM OR INDICATING SYSTEMS 340/945

.Flight alarm 340/963

340/968 ..Wind shear

2 342/118 (0 OR, 2 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS

AND DEVICES

342/118 DETERMINING DISTANCE

2 342/146 (0 OR, 2 XR)

	Class 342/118 342/146		
2	342/195 Class 342/175 342/195	342	OR, 2 XR) : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES WITH PARTICULAR CIRCUIT .Digital processing
2	342/357.09 Class 342/350 342/352 342/357 342/357	342 .01 .06	: COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES DIRECTIVE .Including a satelliteWith position indicatingUsing Global Positioning Satellite (GPS or Glonass)
2	342/361 Class 342/350 342/361	342	OR, 2 XR) : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES DIRECTIVE .Including polarized signal communication transmitter or receiver
2	342/374 Class 342/350 342/368 342/374	342	
2 S)	-	342	OR, 2 XR) : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES AIR TRAFFIC CONTROL .Secondary Surveilance Radar (SSR) or Air Traffic Control Radar Beacon System (ATCRB
5,	342/38		With altitude information
2	342/39 Class		

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AND DEVICES

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09942723 CLSTITLES
                       AIR TRAFFIC CONTROL
         342/36
         342/37
                       .Secondary Surveilance Radar (SSR) or Air
                           Traffic Control Radar Beacon System (ATCRB
S)
         342/39
                       ..With side lobe suppression
                 (0 OR, 2 XR)
 2 342/41
                 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
         Class
                         AND DEVICES
         342/41
                       SHIP COLLISION AVOIDANCE
   342/43
                 (1 OR, 1 XR)
         Class
                 342 : COMMUNICATIONS:
                                        DIRECTIVE RADIO WAVE SYSTEMS
                         AND DEVICES
         342/42
                      RADAR TRANSPONDER SYSTEM
         342/43
                       .Combined with primary radar system
                  (0 OR, 2 XR)
  2 342/456
                 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
         Class
                         AND DEVICES
         342/350
                       DIRECTIVE
                      .Position indicating (e.g., triangulation)
         342/450
                      ..Traffic
         342/454
                      ... Having traffic control
         342/456
                 (0 OR, 2 XR)
   342/457
                 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                         AND DEVICES
         342/350
                       DIRECTIVE
         342/450
                      .Position indicating (e.g., triangulation)
                       ..Land vehicle location (e.g., bus, police car
         342/457
                 (0 OR, 2 XR)
  2 342/463
                 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
                         AND DEVICES
         342/350
                      DIRECTIVE
                      .Position indicating (e.g., triangulation)
         342/450
         342/463
                       .. Having plural transmitters or receivers
                 (0 OR, 2 XR)
  2 342/47
                 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
         Class
                         AND DEVICES
         342/42
                       RADAR TRANSPONDER SYSTEM
         342/46
                       .Navigational
                       ..Distance measuring equipment (DME)
         342/47
  2 343/702 (0 OR, 2 XR)
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Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

343/702 .With radio cabinet

2 343/709 (0 OR, 2 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

343/709 .Waterborne (e.g., buoyant or with watercraft)

2-343-/711 - - (0 OR-, 2 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS 343/711 .With vehicle

2 343/713 (0 OR, 2 XR) Class 343: COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

.With vehicle 343/711

343/713 ...Supported by vehicle body

(0 OR, 2 XR) 2 343/720

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS .Combined with diverse-type art device

2 343/726 (2 OR, 0 XR) Class 343: COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS
343/725 .Plural separate diverse type .
343/726 ..Including balanced doublet and loop-type

antennas

2 343/728 (0 OR, 2 XR) Class 343: COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS
343/725 .Plural separate diverse type
343/728 ..Including loop-type antenna

(0 OR, 2 XR) 2 343/745

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

343/745 .With variable reactance for tuning antenna

2 343/754 (0 OR, 2 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R

ANTENNAS .With spaced or external radio wave refractor 343/753

(e.q., lens)

343/754 ...With scanning, sweeping, or orienting

2 343/786 (2 OR, 0 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

343/772 .Wave guide type (e.g., horn)

343/786 ..With horn

(0 OR, 2 XR) 2 343/802

Class 343: COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

.Balanced doublet - centerfed (e.g., dipole)
..Distributed reactance added to arms 343/793

343/802

2 343/815 (0 OR, 2 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

.Balanced doublet - centerfed (e.g., dipole) ..Plural 343/793

343/810

343/812 ...Parallel arrangement

343/815 ....With parasitic element (e.g., reflector or

director)

2 343/853 (1 OR, 1 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R **ANTENNAS** 

343/850 .With coupling network or impedance in the

leadin

343/853 ..With plural antennas

2 343/860 (0 OR, 2 XR)

Class 343: COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

.With coupling network or impedance in the 343/850

leadin

343/860 .. Impedance matching network

2 343/895 (1 OR, 1 XR)

343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R **ANTENNAS** 

343/895 .Spiral or helical type

2 375/130 (1 OR, 1 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

SPREAD SPECTRUM 375/130

2 375/219 (1 OR, 1 XR)

Class 375: PULSE OR DIGITAL COMMUNICATIONS

TRANSCEIVERS 375/219

2 375/259 (1 OR, 1 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT

2 398/108 (0 OR, 2 XR) Class 398: OPTICAL COMMUNICATIONS

398/106 REMOTE CONTROL

.Bidirectional (i.e., monitoring or 398/107

acknowledge)

398/108 ..Interrogator system

2 455/107 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/91 TRANSMITTER

.With variation of antenna impedance or 455/107

dimension for modulation

2 455/121 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/91 TRANSMITTER

455/91 .Including tuning 455/121 ..In antenna circuit

2 455/129 (0 OR, 2 XR)

Class 455: TELECOMMUNICATIONS

455/91 TRANSMITTER

455/129 .With coupled antenna

(0 OR, 2 XR) 2 455/271

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY

CONVERTER

455/269 .With wave collector (e.g., antenna)

.. Suppression of radiation from receiver via 455/271

wave collector

(0 OR, 2 XR) 2 455/47

> 455 : TELECOMMUNICATIONS Class

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/47 .Single or vestigial sideband system

2 455/63.1 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

		455/39		09942723_CLSTITLES TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
		455/63.	. 1	.Distortion, noise, or other interference prevention, reduction, or compensation
	2	455/73 Class 455/73	455	OR, 2 XR) : TELECOMMUNICATIONS TRANSMITTER AND RECEIVER AT SAME STATION (E.G.
,			. =	TRANSCEIVER)
	2	455/554	455 1.1	<pre>: TELECOMMUNICATIONSRemote private branch exchange (PBX) with     wireless link to landline</pre>
е		455/90.	. 1	.Having particular application (e.g., avalanch
				victim assistance) of a transceiver
	2	•		OR, 2 XR) : DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION
		701/200 701/207		NAVIGATION .Employing position determining equipment
	2	705/23 Class		OR, 0 XR) : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
A	TIO	N 705/1		AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
		705/16		PRACTICE OR MANAGEMENT ARRANGEMENT .Including point of sale terminal or electroni
С		705/23		cash registerInput by product or record sensing (weighing
,				scanner processing)
	2	714/25 Class 714/100	714	OR, 0 XR) : ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY DATA PROCESSING SYSTEM ERROR OR FAULT HANDLING
		714/1 714/25		Reliability and availabilityFault locating (i.e., diagnosis or testing)

```
about 1
abstract 1
accompanying 1
accordingly 2
achieve 2
achieves 1
adjacent 1
adopting 2
adopts 1
allows 2
an-48- - -
and 41
annexed 1
another 1
answer 1
antenna 50
antennas 10
applicant 1
application 5
applied 1
applying 4
apt 1
are 3
area 6
areas 4
around 1
array 4
arrayed 5
articles 1
as 26
at 4
attain 3
attained 1
august 1
background 1
band 5
based 1
basic 1
be 8
becomes 2
been 1
being 2
belt 1
between 4
block 3
body 4
brief 1
by 9
```

```
cable 11
can 2
capability 1
carried 1
case 4
cells 1
certificate 1
certify 1
characteristic 4
characteristics 1
chart -5-----
circuit 1
circumference 1
circumstances 1
ci 1
clocks 1
close 2
coaxial 11
commissionerz 1
communication 7
communications 1
composed 1
concentrated 3
conductor 7
configuration 6
connected 2
connections 1
consequence 1
constant 1
continuously 2
control 1
controller 3
conveyer 1
copy 1
core 5
coupling 1
covering 1
create 1
created 1
current 7
data 1
datas 1
date 1
dated 1
day 1
dc 1
denote 2
denotes 1
```

```
depending 1
described 1
description 2
desired 1
detail 2
detailed 1
deteriorate 1
deteriorated 1
determined 1
diagram 3
dielectric 2
different 2
difficult 2
discriminates 2
discrimination 1
discussed 2
disposed 1
distance 5
distribution 6
distributions 2
disturb 1
drawings 2
each 4
effective 1
eighth 2
electromagnetic 17
element 1
elements 4
embodiment 15
embodiments 3
end 7
energy 5
equipment 3
equivalent 1
essential 1
ete 1
even 2
examination 1
example 7
exchange 2
exchanges 3
exchanging 1
excited 2
explaining 10
explains 11
extends 1
eyf 1
```

feed 6

### 09942723 WDS

```
field 2
fields 1
fifth 1
fig 35
figs 2
filed 1
film 1
first 4
fluctuations 2
fnf 1
following 1
followings 1
for 9
foregoing 1
form 1
formed 2
forms 1
forth 1
fr 1
free 2
frequency 1
from 11
functions 3
furnished 2
further 1
furtherr 1
general 1
generates 2
generation 1
goods 7
goverhmmnt 1
gp 1
ground 6
grounded 2
grounding 1
hands 1
has 4
having 6
hei 1
here 2
hitachi 1
however 1
howeverr 1
hum 1
identification 4
identifying 1
if 4
illustrate 1
```

```
illustrates 11
in 23
includes 5
including 3
increased 1
individual 1
information 6
input 1
intensified 4
international 1
interrogator 39
invention 24
ip 1
is 21
it 3
japanese 2
ka 1
kokai 1
kouzou 1
kvv 1
laid 1
layer 1
length 3
less 1
limited 1
limits 1
line 4
ln 1
loth 1
ls 1
ltd 1
macro 1
made 2
makes 2
makeup 2
managed 1
management 5
manages 1
many 1
may 1
memory 1
microwave 4
millimeters 1
model 1
moment 1
monopole 14
movable 2
move 1
```

### 09942723 WDS

```
multiple 7
multiply 1
mutual 1
near 6
need 2
no 4
not 1
number 1
numbers 1
of 61
office 3
oikawa 1
on 12
one 4
only 1
open 4
or 1
order 1
other 5
outer 5
output 1
over 2
pa 1
packages 2
page 12
part 2
patent 3
pattern 3
perspective 2
phase 1
phased 1
physical 2
plan 6
plane 7
plural 5
plurality 2
point 6
portion 5
position 1
possible 4
power 3,
preferred 2
present 3
problem 1
prolonged 1
provided 1
provides 2
```

publication 1

```
quasi 2
radiate 2
radiated 6
radiates 1
radiation 4
radio 2
range 2
realize 1
receive 1
rectify 1
ree 1 ____
refer 2
reference 1
reflected 1
relates 1
relating 12
resonates 1
responding 1
response 1
rf 11
same 4
second 2
secure 2
securely 1
secures 1
securing 1
selected 1
selectors 3
setting 1
seventh 2
shape 1
shorter 2
shown 11
side 8
signal 17
signals 1
single 2
sixth 2
size 1
sleeve 15
small 2
smto 1
solve 1
some 3
sort 1
source 3
space 4
specifically 1
```

### 09942723 WDS

```
spread 1
sta 1
stock 1
structure 2
substance 1
such 4
suitable 1
summary 1
supplied 1
supplies 1
supply 1
switch 1
switched 1
switching 1
symmetric 1
synthesis 1
synthesized 1
system 8
taxeshi 1
terminal 1
tes 1.
than 1
that 28
the 181
thereby 2
therefore 1
thereof 2
thin 1
third 2
this 4
though 1
through 2
thus 2
tickets 1
to 21
toward 1
transmittėd 1
transmitting 1
transponders 27
traveling 1
true 1
uniform 4
united 1
used 4
using 3
utility 1
varies 1
view 16
```

```
voltage 5
wave 8
wavelength 7
wavelengths 2
waves 3
well 1
where 1
whereby 1
wherein 1
which 10
whole 2
wide 2
will 9
wire 4
with 15
within 3
without 1
words 1
yertically 1
yw 1
```